

CLAIMS

We claim:

1. A method for an application management system to pass input data
between applications on a mobile information device, the method comprising:
5 accepting the input data from an application on the mobile information device;
passing the input data to a first Java MIDlet in a first MIDlet suite on the mobile
information device.
2. The method of claim 1 further comprising a compute readable medium
10 having stored therein instructions for causing a processor to execute the steps of the
method.
3. The method of claim 1, wherein accepting the input data from an
application on the mobile information device includes accepting the input data from a
15 non-MIDlet application on the mobile information device.
4. The method of claim 1, wherein accepting the input data from an
application on the mobile information device includes accepting the input data from a
second Java MIDlet in a second MIDlet suite on the mobile information device.
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5. The method of claim 4, wherein the input data includes a Uniform
Resource Indicator or an Internet media type.

6. The method of claim 4, wherein accepting the input data from the second Java MIDlet in the second MIDlet suite includes receiving the input data via at least one of setExitURI() and appendReferringURI() object-oriented methods.

5 7. The method of claim 1, wherein passing the input data to the first Java MIDlet in the first MIDlet suite on the mobile information device includes:

receiving from the first Java MIDlet a request for the input data via at least one of
getMediaType(), getContentType(), getMuglet(), getReferringURI() and getURI()
object-oriented methods; and

10 responsively passing the input data to the first Java MIDlet.

8. The method of claim 1, wherein passing the input data to the first Java MIDlet in a first MIDlet suite on the mobile information device includes:

determining a type of the input data;

15 determining that the first Java MIDlet is registered to handle the type of the input data;

invoking the first Java MIDlet; and

passing the input data to the first Java MIDlet.

20 9. The method of claim 1, wherein the input data is a URI, and wherein passing the input data to the first Java MIDlet in a first MIDlet suite on the mobile information devices includes:

determining based on a scheme of the URI that the first Java MIDlet is registered to handle the URI;

invoking the first Java MIDlet; and

passing the input data to the first Java MIDlet.

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10. The method of claim 1, wherein the input data is a URI, and wherein passing the input data to the first Java MIDlet in a first MIDlet suite on the mobile information devices includes:

determining based on a scheme of the URI and based on additional scheme

10 specific information of the URI that the first Java MIDlet is registered to handle the URI;

invoking the first Java MIDlet; and

passing the input data to the first Java MIDlet.

11. The method of claim 10, wherein the scheme of the URI is "ams:" or
15 "midlet:".

12. The method of claim 1, wherein the input data passed to the first Java MIDlet allows execution control to be returned to a previous context used before the first MIDlet was invoked.

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13. The method of claim 1, wherein the mobile information device is a mobile phone, a personal digital assistant or a two-way pager.

14. A method for an application management system to exchange data between applications on a mobile information device, the method comprising:
accepting the input data from a first Java MIDlet in a first MIDlet suite on the mobile information device; and
5 passing the input data to an application on the mobile information device.

15. The method of claim 14 further comprising a compute readable medium having stored therein instructions for causing a processor to execute the steps of the method.

16. The method of claim 14, wherein passing the input data to an application on the mobile information device includes passing the input data to a second MIDlet in a second MIDlet suite on the mobile information device.

17. The method of claim 16, wherein passing the input data to the second Java MIDlet includes:

receiving from the second Java MIDlet a request for the input data via at least one of getMediaType(), getContentType(), getMuglet(), getReferringURI() and getURI() object-oriented methods; and

20 responsively passing the input data to the second Java MIDlet.

18. The method of claim 16, wherein passing the input data to the second Java MIDlet includes:

determining a type of the input data;
determining that the second Java MIDlet is registered to handle the type of the
input data;
invoking the second Java MIDlet; and
5 passing the input data to the second Java MIDlet.

19. The method of claim 16, wherein the input data is a URI, and wherein
passing the input data to the second Java MIDlet includes:

determining based on a scheme of the URI that the second Java MIDlet is
10 registered to handle the URI;
invoking the second Java MIDlet; and
passing the input data to the second Java MIDlet.

20. The method of claim 6, wherein the input data is a URI, and wherein
15 passing the input data to the second Java MIDlet includes:

determining based on a scheme of the URI and based on additional scheme
specific information of the URI that the second Java MIDlet is registered to handle the
URI;
invoking the second Java MIDlet; and
20 passing the input data to the second Java MIDlet.

21. The method of claim 20, wherein the scheme of the URI is "ams:" or
"midlet:".

22. The method of claim 14, wherein accepting the input data from the first Java MIDlet includes accepting the input data via at least one of setExitURI() and appendReferringURI() object-oriented methods.

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23. The method of claim 14, wherein the input data includes a Uniform Resource Indicator or an Internet media type.

24. A method for passing output data between applications on a mobile information device, the method comprising:
receiving output data from a first MIDlet in a first MIDlet suite on the mobile information, wherein the output data is received before the first MIDlet terminates;
launching an application on the mobile information device; and
passing the output data to the application.

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25. The method of claim 24 further comprising a compute readable medium having stored therein instructions for causing a processor to execute the steps of the method.

26. The method of claim 24, wherein the application is a second MIDlet in a second MIDlet suite on the mobile information device.

27. The method of claim 24, wherein the output data includes a Uniform Resource Indicator or an Internet media type.

28. A method for exchanging output data between applications on a mobile information device, the method comprising:

5 receiving output data from an application on a mobile information device;

launching a first MIDlet in a first MIDlet suite on the mobile information device;

and

passing the output data to the first MIDlet.

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29. The method of claim 28 further comprising a compute readable medium having stored therein instructions for causing a processor to execute the steps of the method.

15 30. The method of claim 28, wherein the application is a second MIDlet in a second MIDlet suite on the mobile information device.

31. The method of claim 28, wherein the output data includes a Uniform Resource Indicator or an Internet media type.

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32. A method for passing data between MIDlets on a mobile information device, the method comprising:

receiving input data from a first MIDlet in a first MIDlet suite on the mobile
information device;

determining a type of the input data;

determining that a second MIDlet in a second MIDlet suite is registered to handle

5 the type of the input data;

launching the second MIDlet on the mobile information device; and

passing the input data to the second MIDlet.

33. The method of claim 32, further comprising a compute readable medium
10 having stored therein instructions for causing a processor to execute the steps of the
method.

34. The method of claim 32, wherein the input data includes a Uniform
Resource Indicator or an Internet media type.

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35. The method of claim 32, wherein the input data identifies the first MIDlet.

36. The method of claim 32, wherein the input data allows execution control
to be returned to a previous context used before the second MIDlet was invoked.

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37. The method of claim 32, wherein the mobile information device is a
mobile phone, a personal digital assistant or a two-way pager.